

PGY2 Infectious Diseases Pharmacy Residency Program

Philosophy:

The Postgraduate Year 2 (PGY2) Infectious Diseases Pharmacy Residency Program at the VA North Texas Health Care System (VANTHCS) in Dallas, Texas is an ASHP-accredited residency designed to produce well-rounded clinical practitioners in Infectious Diseases Pharmacotherapy. The resident is exposed to a wide range of patient care settings intended to provide a solid knowledge base of infectious disease states and optimal use of anti-infective therapies. The primary goal of the program is to foster the development of an independent, knowledgeable, and versatile practitioner through experiences in teaching, leadership, interdisciplinary care, and research.

General Description:

The 12-month program is based upon a variety of core, elective, and longitudinal practice experiences designed to provide expertise and confidence in managing each of the infectious disease states delineated in the ASHP Infectious Diseases PGY2 Residency Practice Standards. These include, but are not limited to osteomyelitis, endocarditis, meningitis, invasive fungal infections, and human immunodeficiency virus (HIV). The resident may select any combination of on-site or off-site electives based on his/her interests and career goals.

Program Goals:

Clinical

- Develop strategies for integrating into a multidisciplinary infectious diseases healthcare team
- Promote expertise in managing anti-infective therapies in both acute and chronic care settings
- Augment understanding of practice management at the institutional, regional, and national levels

Academic

- Interpret and disseminate knowledge in infectious diseases pharmacotherapy effectively
- Foster innovative and rewarding precepting strategies
- Provide teaching experiences in both didactic and small group learning environments
- Generate new knowledge in infectious diseases pharmacotherapy through original research

Professional

- Cultivate techniques for self-assessment, goal setting, and career planning
- Demonstrate exemplary verbal and written communication skills
- Establish a personalized system for balancing multiple work-related responsibilities
- Understand the importance of professional development through pharmacy organization activities

Program Activities:

Required Rotations/Experiences: (~70% time)

- Orientation and IRB development
- Microbiology Laboratory
- Infectious Diseases Consult Service
- Antimicrobial Stewardship
- Medical Intensive Care Unit
- Pharmacy Benefits Management
- Research

Longitudinal Required Rotations: (~10% time)

- HIV Pharmacotherapy and/or Hepatitis C Clinics
- Outpatient Parenteral Antimicrobial Therapy (OPAT)

Elective Rotation Options (choose two): (~20% time)

- Antimicrobial Stewardship (off-site)
- Infectious Diseases Consult (off-site)
- Hematology/Oncology
- Pediatric Infectious Diseases (off-site)
- Drug Information and Pharmacoeconomics
- Psychiatry (recommended if interested in special populations such as HIV or Hepatitis C)

Teaching Opportunities:

Residents are appointed as Assistant Clinical Instructors with the Texas Tech University Health Sciences Center School of Pharmacy (TTUHSC). Teaching experiences for residents are designed to complement practice activities which allow for multiple avenues of exposure.

- Didactic Teaching – 1 or 2 hours of formal lecture presentations are required of the PGY2 resident. Material to be covered will be based on course availability and resident interests.
- Experiential Teaching – Residents have the opportunity to independently precept IPPE (P3) and APPE (P4) clerkship students during the residency year.
- Problem-Based Learning – Residents have an opportunity to serve as a group facilitator for Case Studies II at TTUHSC. During the fall semester this course meets twice weekly in two hour blocks. This course is built around student-directed exercises which focus on pharmaceutical care plans for specific patients. It is designed to be a problem-based learning experience in which students are exposed to an initial patient presentation and spend the next 3 to 4 sessions developing their patient care plan. Both pathophysiology and therapeutic knowledge are incorporated in these activities. The facilitator's role is not necessarily to directly instruct the students, but rather to facilitate their discussion.

- **Clinician-Educator Training Program** - Conducted throughout the residency year, this program provides training for residents who are interested in developing their academic skills. The goal of the training program is to supplement a strong clinical background with the competencies needed to become a successful educator. The program includes didactic and web-based teaching models, mentored training for small-group problem-based learning, and precepting of third and fourth-year pharmacy students. Residents also receive instruction on grant writing, statistics, and clinical trial design; submit a project proposal to the IRB; and subsequently collect, interpret, and publish their results. The program includes innovative discussion topics based upon needs previously identified by new faculty members. Examples include handling difficult students, writing test questions, developing consistent evaluation methods, and balancing life outside of career.

Residency Project:

Residents will complete one major project on a research topic of their choice, provided it will:

- Generate original data
- Meet criteria for presentation at a national pharmacy meeting
- Culminate in a manuscript suitable for publication in a peer-reviewed journal
- Reasonably be completed within the residency year

Additional Activities:

- **ID Fellows Core Curriculum & Case Conference** – Weekly lecture series which includes seminars prepared by well-respected, local infectious diseases pharmacists and physicians.
- **PGY2 Journal Club** – Monthly journal club which rotates through 5 specialty practice areas.
- **Southwestern Leadership Conference (ALCALDE)** – Residents will participate in this regional meeting in the spring. Residents have the opportunity to present their project results for evaluation. It serves as an excellent opportunity to network with other residents from the region.

Salary and Benefits:

The stipend for one year is approximately \$47,000. Benefits include 10 days of vacation time, 10 days of professional leave to attend conferences, sick leave, as well as retirement & health care benefit packages. Based upon funding availability, partial support to attend one National and one Regional residency meeting may be available. Additionally, Texas has no state income tax!

Program Leadership:

Susan Duquaine, Pharm.D., BCPS (AQ-ID)

Dr. Duquaine is an Associate Chief of Pharmacy in Clinical Programs and Education as well as an Infectious Diseases Clinical Pharmacist at VANTHCS in Dallas, Texas. In addition to daily practice and administrative activities, she serves as the PGY2 ID Residency Program Director, co-chair of the Antimicrobial Stewardship Program, and an Adjunct Clinical Assistant Professor at TTUHSC School of Pharmacy. Dr. Duquaine received her Bachelor of Science and Doctor of Pharmacy degrees from the University of Florida and went on to complete an ASHP-accredited PGY2 pharmacy residency in critical care at VANTHCS. Dr. Duquaine's research and practice interests primarily focus on the inpatient management of infectious diseases, antimicrobial stewardship, and HIV pharmacotherapy.

Anjali Patel, Pharm.D., BCPS

Dr. Patel serves as the PGY2 ID Residency Coordinator and is a Clinical Pharmacy Specialist in HIV and Hepatitis C at VANTHCS. She received her Doctor of Pharmacy degree from The University of Texas at Austin. She completed her PGY1 pharmacy practice residency in 2010 and PGY2 ambulatory care residency in 2011 at the VANTHCS. After graduation she worked for an independent pharmacy in Springfield, MO where she was responsible for developing multiple services including a specialty drugs program as well as a discharge medication counseling program. Dr. Patel is an affiliated clinical faculty at TTUHSC School of Pharmacy and the UT Austin College of Pharmacy. Her research and practice interests include HIV, Hepatitis C, diabetes, and lipid management.

Steven Pass, Pharm.D., FCCM, FCCP, FASHP, BCPS

Dr. Pass serves as the Vice Chair for Residency Programs and is an Associate Professor at the Texas Tech University Health Sciences Center School of Pharmacy. Additionally, he is a practicing Clinical Pharmacy Specialist in the Medical ICU at the Dallas VA Medical Center. He received his BS Pharm and Doctor of Pharmacy degrees from the University of Kentucky, completed a PGY1 pharmacy practice residency at Baptist Memorial Hospital in Memphis, Tennessee and PGY2 critical care residency at University Hospital in Cincinnati, Ohio. His research interests include the use of antimicrobial agents in ventilator-associated pneumonia and sepsis as well as medications in advanced cardiac life support. Dr. Pass is active in several professional organizations, including serving as a Residency Learning System instructor and accreditation site surveyor for ASHP, chair of the critical care PRN for ACCP, past chair of the Clinical Pharmacy and Pharmacology Section of the Society of Critical Care Medicine, and is currently a member of the TSHP Research & Education Foundation Board of Directors. Dr. Pass was formally recognized as a Fellow of the American College of Critical Care Medicine in 2006.

Information for Applicants:

Residency applicants must have completed a Pharm.D. degree from an ACPE-accredited school of pharmacy and be eligible for licensure in Texas. Completion of a PGY1 residency is required. Applications are only accepted through the Pharmacy Online Residency Centralized Application Service (PhORCAS). Interested applicants should submit their letter of interest, 3 letters of recommendation, curriculum vitae, official pharmacy school transcripts, and a completed application form by January 6th of the prospective residency year.

For more information, contact Dr. Susan Duquaine at SusanM.Duquaine@va.gov.

Site Information:

The VA North Texas Health Care System (VANTHCS) consists of three distinct campuses including the Dallas VA Medical Center (VAMC), Sam Rayburn Memorial Hospital in Bonham, and the Fort Worth Outpatient Clinic. The Dallas VAMC, located 10 miles south of downtown Dallas, is the second largest VA in the country. It consists of a 571-bed inpatient facility, a 48-bed intensive care unit, and a 50-bed telemetry step-down unit. The intensive care beds are divided between the Surgical ICU, Thoracic ICU, Medicine ICU, and Cardiology ICU. Each of the four intensive care units has utilized electronic health records, bar code medication administration, mobile workstations, and computerized physician order entry for more than 15 years. The Dallas VAMC serves as a major training site for a multitude of healthcare disciplines and is one the main teaching hospitals for medical students, residents, and fellows from the University of Texas Southwestern (UTSW) Medical Center of Dallas. UTSW is currently ranked 5th in the nation for research and its medical residencies consistently rank in the top 10 according to U.S. News and World Report. Off-site training opportunities for pharmacy residents include UTSW Medical Center, Children's Medical Center, Texas Health Presbyterian Hospital, and Baylor Medical Center.